09471572Results

SEO ID NO: 1

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RESULT
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S30359
GTP-binding regulatory protein G alpha chain, phospholipase C-activating - turkey
N; Alternate names: phospholipase C-activating G protein
C; Species: Meleagris gallopavo (common turkey)
C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 02-Feb-2001
C; Accession: S30359; S30360
R; Maurice, D.H.; Waldo, G.L.; Morris, A.J.; Nicholas, R.A.; Harden, T.K. Biochem. J. 290, 765-770, 1993
A; Title: Identification of Galpha(11) as the phospholipase C-activating G-protein of
turkey erythrocytes.
A; Reference number: S30359; MUID: 93207527
A; Accession: S30359
A; Molecule type: mRNA
A; Residues: 1-359 <MAU>
A; Cross-references: GB: X73072; NID: g312254; PIDN: CAA51530.1; PID: g312255
A; Experimental source: blood
A; Accession: S30360
A; Molecule type: protein
A; Residues: 78-92;121-132;158-180;253-256;307-312;339-345;355-359 < MAW>
A; Experimental source: erythrocytes
C; Superfamily: GTP-binding regulatory protein Gs alpha chain
C; Keywords: GTP binding; nucleotide binding; P-loop
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F;156-158/Region: GTP-binding SAK/L motif
F;274-277/Region: GTP-binding NKXD motif
F;52/Binding site: GTP (Lys) #status predicted
F;183/Modified site: ADP-ribosylarginine (Arg) (by cholera toxin) #status predicted
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         Db
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Ov
     121 EEPYVSYIKELWEDSGIQECYDRRREYQLTDSAKYYLSDLRRLAVPDYLPTEQDILRVRV 180
         125 EQPYVSAİKTLWNDPGIQECYDRRREYQLSDSAKYYLSDVDRIATPGYLPTQQDVLRVRV 184
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01-NOV-1996 (TrEMBLrel. 01, Created)

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     Brundage L., Avery L., Katz A., Kim U.J., Mendel J.E., Sternberg P.W.,
RA
RA
     Simon M.I.;
RT
     "Mutations in a C. elegans Ggalpha gene disrupt movement, egg laying,
     and viability.";
RT
     Neuron 16:999-1009(1996).
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     Lightning J., Lloyd C., Mcmurray A., Mortimore B., O'Callaghan M.,
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     Watson A., Weinstock L., Wilkinson-Sproat J., Wohldman P.;
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RT
     elegans.";
     Nature 368:32-38(1994).
RI.
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     "Interaction analysis of the complete G-alpha subfamily of
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     heterotrimeric G proteins from Caenorhabditis elegans.";
RT
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3	1501	81.7	1394	20	AAY49129	pmGluR2/CaR*Galpha
4	1501	81.7	1397	20	AAY49134	pmGluR2/CaR*Galpha
5	1501	81.7	1418	20	AAY49131	mGluR8/CaR*Galphaq
6	1497	81.4	359	22	AAB99071	Human G-protein al
7	1497	81.4	359	22	AAB99073	Human G-protein al
8	1495	81.3	353	22	AAB99072	Human G-protein al
9	1494	81.3	1303	20	AAY49132	GABA-BR2*Gqo5 fusi
10	1493	81.2	359	20	AAY49125	Chimeric Gqi5 prot
11	1486	80.8	359	20	AAY52705	Human G-alpha-11 p
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13	1388	75.5	355	21	AAB15026	Mouse TC-Galpha14
14	1385	75.4	355	22	AAB99076	Human G-protein al
15	1029	56.0	374	22	AAB84005	Amino acid sequenc
16	1029	56.0	374	22	AAB84007	Amino acid sequenc
17	1028	55.9	374	22	AAB83997	Amino acid sequenc
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19	1028	55.9	374	22	AAB84001	Amino acid sequenc
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21	1028	55.9	374	22	AAB84008	Amino acid sequenc
22	1028	55.9	374	22	AAB84010	Amino acid sequenc
23	1027	55.9	374	22	AAB83978	Amino acid sequenc
24	1027	55.9	374	22	AAB83998	Amino acid sequenc
25	1027	55.9	374	22	AAB84000	Amino acid sequenc
26	1027	55.9	374	22	AAB84009	Amino acid sequenc
27	1024	55.7	374	22	AAB84002	Amino acid sequenc
28	1024	55.7	374	22	AAB84004	Amino acid sequenc
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30	1023	55.7	374	22	AAB84003	Amino acid sequenc
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32	1020	55.5	374	22	AAB83992	Amino acid sequenc
33	1019	55.4	374	22	AAB83982	Amino acid sequenc
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38	1019	55.4	374	22	AAB83995	Amino acid sequenc
39	1018	55.4	374	22	AAB83977	Amino acid sequenc
40	1018	55.4	374	22	AAB83983	Amino acid sequenc
41	1018	55.4	374	22	AAB83985	Amino acid sequenc
42	1018	55.4	374	22	AAB83994	Amino acid sequenc
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3	1497	81.4	359	1	RGHUGY	GTP-binding regula
4	1495	81.3	359	2	S71963	GTP-binding protei
5	1490	81.1	359	1	RGMSQ	GTP-binding regula
6	1489	81.0	359	2	S45700	G-alpha-11 protein
7	1485	80.8	359	2	S45699	GTP-binding regula
8	1483	80.7	353	2	B40891	GTP-binding protei
9	1475	80.3	359	1	RGMS11	GTP-binding regula
10	1472	80.1	353	2	S34347	GTP-binding regula
11	1423.5	77.4	360	2	JN0115	GTP-binding regula
12	1388	75.5	355	2	A40891	GTP-binding protei
13	1388	75.5	355	2	A41534	GTP-binding protei
14	1370.5	74.6	354	2	S33309	GTP-binding regula
15	991	53.9	374	2	B41534	GTP-binding protei
16	965	52.5	374	2	A41096	GTP-binding regula
17	902	49.1	353	2	S71965	GTP-binding regula
18	901	49.0	355	2	150238	Gi2 protein alpha-
19	896.5	48.8	354	2	S27014	GTP-binding regula
20	895	48.7	355	2	A61031	GTP-binding regula
21	894.5	48.7	354	1	RGHYO2	GTP-binding regula
22	894	48.6	355	1	RGHUI2	GTP-binding regula
23	893.5	48.6	354	1	RGHUO2	GTP-binding regula
24	892	48.5	355	2	S28158	GTP-binding regula
25	891.5	48.5	354	1	RGHUI1	GTP-binding regula
26	891.5	48.5	354	1	RGB0I1	GTP-binding regula
27	891.5	48.5	354	2	T19476	hypothetical prote
28	890.5	48.4	354	1	RGRTI1	GTP-binding regula
29	890	48.4	353	2	T50482	G protein alpha ch
30	887.5	48.3	354	1	RGMSO2	GTP-binding regula
31	887.5	48.3	354	2	A61035	GTP-binding regula
32	886	48.2	355	1	RGRT12	GTP-binding regula
33	884.5	48.1	354	1	RGFFO2	GTP-binding regula
34	883.5	48.1	354	2	S40509	G-protein - chicke
35	882.5	48.0	354	1	RGRTO2	GTP-binding regula
36	881.5	48.0	354	2	I50237	GTP-binding regula
37	880.5	47.9	354	1	RGXLI1	GTP-binding regula
38	880	47.9	355	1	RGMSI2	GTP-binding regula
39	879.5	47.9	354	2	S28157	GTP-binding regula
40	877.5	47.7	354	2	\$40508	GTP-binding regula
41	876.5	47.7	350	1	RGMST1	GTP-binding regula
42	875.5	47.6	354	2	S24362	GTP-binding regula
43	874.5	47.6	354	2	S27013	GTP-binding regula
44	872.5	47.5		1	RGFF01	GTP-binding regula
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Result		Query				
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3	1497	81.4	353	1	GBQ_RAT	P82471 rattus norv
4	1496	81.4	353	1	GBQ_CANFA	Q28294 canis famil
5	1495	81.3	353	1	GBQ_HUMAN	P50148 homo sapien
6	1493	81.2	359	1	GB11_HUMAN	P29992 homo sapien
7	1490	81.1	353	1	GBQ_MOUSE	P21279 mus musculu
8	1489	81.0	359	1	GB11_XENLA	P43444 xenopus lae
9	1488	81.0	353	1	GBQ_HOMAM	P91950 homarus ame
10	1485	80.8	353	1	GBQ_XENLA	P38410 xenopus lae

11	1483	80.7	359	1	GB11_BOVIN	P38409	bos taurus
12	1475	80.3	359	1	GB11_MOUSE	P21278	mus musculu
13	1472	80.1	353	1	GBQ_LYMST	P38411	lymnaea sta
14	1470	80.0	359	1	GB11_RAT	Q9jid2	rattus norv
15	1452	79.0	353	1	GBQ_PATYE	015975	patinopecte
16	1437	78.2	353	1	GBQ1_DROME	P23625	drosophila
17	1416	77.0	354	1	GB14_XENLA	073819	xenopus lae
18	1388	75.5	355	1	GB14_BOVIN	P38408	bos taurus
19	1388	75.5	355	1	GB14 MOUSE	P30677	mus musculu
20	1385	75.4	355	1	GB14 HUMAN	095837	homo sapien
21	1370.5	74.6	354	1	GBQ LOLFO	P38412	loligo forb
22	991	53.9	374	1	GB15 MOUSE	P30678	mus musculu
23	990	53.9	374	1	GB15 RAT	088302	rattus norv
24	965	52.5	374	1	GB15 HUMAN	P30679	homo sapien
25	901	49.0	352	1	GBA1 COCHE	074227	cochliobolu
26	900	49.0	356	1	GBO PATYE	015976	patinopecte
27	897	48.8	352	1	GBA1 EMENI	Q00743	emericella
28	896	48.7	354	1	GBI2 CHICK	P50147	gallus gall
29	891.5	48.5	353	1	GB0 LYMST	P30683	lymnaea sta
30	890.5	48.4		1	GBO HELTI	P51877	helisoma tr
31	890	48.4	352	1	GBA1_CRYPA	Q00580	cryphonectr
32	890	48.4	353	1	GBA1 NEUCR	Q05425	neurospora
33	890	48.4	354	1	GBI2 CANFA	P38400	canis famil
34	889.5	48.4	353	1	GB02 CRILO	P17806	cricetulus
35	889	48.4	354	1	GBI2 HUMAN	P04899	homo sapien
36	888.5	48.3	353	1	GB02 HUMAN	P29777	homo sapien
37	887.5	48.3	354	1	GB0 LOCMI	P38404	locusta mig
38	886.5	48.2	353	1	GBII HUMAN	P04898	homo sapien
39	885.5	48.2	353	1	GBI1 RAT	P10824	rattus norv
40	884	48.1	352	1	GBA1 COLTR	042784	colletotric
41	884	48.1	352	1	GBA1 SPOSC	074259	sporothrix
42	883	48.0	354	1	GBI2_CAVPO		cavia porce
43	882.5	48.0	353	1	GB02 MOUSE	P18873	mus musculu
44	881	47.9		1	GBA1 MAGGR	013315	magnaporthe
45	881	47.9	354	1	GBI2_RAT	P04897	rattus norv

SEQ ID NO : 2

SUMMARIES

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Result		Query				
No.	Score	Match	Length	DB	ID	Description
1	1501	81.7	1276	20	AAY49127	phCaR/hmGluR2*Gqi5
2	1501	81.7	1323	20	AAY49133	GABA-BR1a*Gqo5 fus
3	1501	81.7	1394	20	AAY49129	pmGluR2/CaR*Galpha
4	1501	81.7	1397	20	AAY49134	pmGluR2/CaR*Galpha
5	1501	81.7	1418	20	AAY49131	mGluR8/CaR*Galphaq
6	1497	81.4	359	22	AAB99071	Human G-protein al
7	1497	81.4	359	22	AAB99073	Human G-protein al
8	1495	81.3	353	22	AAB99072	Human G-protein al
9	1494	81.3	1303	20	AAY49132	GABA-BR2*Gqo5 fusi
10	1493	81.2	359	20	AAY49125	Chimeric Gqi5 prot
11	1486	80.8	359	20	AAY52705	Human G-alpha-11 p
12	1486	80.8	359	20	AAY29789	Human G-alpha-11 p
13	1388	75.5	355	21	AAB15026	Mouse TC-Galpha14
14	1385	75.4	355	22	AAB99076	Human G-protein al
15	1029	56.0	374	22	AAB84005	Amino acid sequenc
16	1029	56.0	374	22	AAB84007	Amino acid sequenc

Result No.	Score	Query Match	Length	DB	ID	Description
1 2	1804 1507	98.2 82.0		_	T15288 S30359	hypothetical prote GTP-binding regula

GTP-binding regula	RGHUGY	1	359	81.4	1497	3
GTP-binding protei	S71963	2	359	81.3	1495	4
GTP-binding regula	RGMSQ	1	359	81.1	1490	5
G-alpha-11 protein	S45700	2	359	81.0	1489	6
GTP-binding regula	S45699	2	359	80.8	1485	7
GTP-binding protei	B40891	2	353	80.7	1483	8
GTP-binding regula	RGMS11	1	359	80.3	1475	9
GTP-binding regula	S34347	2	353	80.1	1472	10
GTP-binding regula	JN0115	2	360	77.4	1423.5	11
GTP-binding protei	A40891	2	355	75.5	1388	12
GTP-binding protei	A41534	2	355	75.5	1388	13
GTP-binding regula	S33309	2	354	74.6	1370.5	14
GTP-binding protei	B41534	2	374	53.9	. 991	15
GTP-binding regula	A41096	2	374	52.5	965	16
GTP-binding regula	S71965	2	353	49.1	902	17
Gi2 protein alpha-	I50238	2	355	49.0	901	18
GTP-binding regula	S27014	2	354	48.8	896.5	19

Result No.	Score	Query Match	Length	DB	ID	Description
			. 			
1	1522	82.8	353	1	GBQ3_DROME	P54400 drosophila
2	1507	82.0	359	1	GB11_MELGA	P45645 meleagris g
3	1497	81.4	353	1	GBQ_RAT	P82471 rattus norv
4	1496	81.4	353	1	GBQ CANFA	Q28294 canis famil
5	1495	81.3	353	1	GBQ HUMAN	P50148 homo sapien
6	1493	81.2	359	1	GB11_HUMAN	P29992 homo sapien
7	1490	81.1	353	1	GBQ_MOUSE	P21279 mus musculu
8	1489	81.0	359	1	GB11_XENLA	P43444 xenopus lae
9	1488	81.0	353	1	GBQ_HOMAM	P91950 homarus ame
10	1485	80.8	353	1	GBQ_XENLA	P38410 xenopus lae
11	1483	80.7	359	1	GB11_BOVIN	P38409 bos taurus
12	1475	80.3	359	1	GB11_MOUSE	P21278 mus musculu
13	1472	80.1	353	1	GBQ_LYMST	P38411 lymnaea sta
14	1470	80.0	359	1	GB11_RAT	Q9jid2 rattus norv

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1804	98.2	355	5	Q17386	Q17386 caenorhabdi
2	1496	81.4	359	4	Q9BZB9	Q9bzb9 homo sapien
3	1491	81.1	353	5	Q9U473	Q9u473 panulirus a
4	1472	80.1	353	5	P91955	P91955 limulus pol
5	1426	77.6	353	5	Q9NFZ0	Q9nfz0 calliphora
6	1406	76.5	353	5	Q9NL92	Q9nl92 octopus vul
7	1105.5	60.1	355	5	Q9XZV4	Q9xzv4 geodia cydo
8	1094	59.5	279	5	Q9I7C8	Q9i7c8 drosophila
9	1091.5	59.4	305	5	Q9Y207	Q9y207 hydra magni
10	990	53.9	374	6	Q9TU29	Q9tu29 oryctolagus
11	898	48.9	355	13	013055	013055 oryzias lat
12	897	48.8	305	5	Q9Y203	Q9y203 ephydatia f
13	895	48.7	355	13	Q9W6A4	Q9w6a4 squalus aca
14	891.5	48.5	354	5	Q18205	Q18205 caenorhabdi
15	890.5	48.4	354	4	Q9UGA4	Q9uga4 homo sapien
16	888.5	48.3	354	5	Q9NL93	Q9n193 octopus vul

SEQ ID NO: 3

SUMMARIES

Result

Query

No.	Score	Match	Length	DB	ID	Description
			255	7	NDD02620	Abr82638 C. elegan
1	1806	98.5	355	7	ABR82638 ABR82630	Abr82630 C. elegan
2 3	1806	98.5 98.5	355 355	8	ADN22329	Adn22329 Bacterial
3 4			346	7	ABR82639	Abr82639 C. elegan
4. 5	1766.5		353	4	ABB66449	Abb66449 Drosophil
	1525		353	5	ABG68585	Abg68585 Mouse G p
6 7	1508		359	5	ABG68584	Abg68584 Mouse G p
	1508			4	AAB99071	Aab99071 Human G-p
8	1507	82.2	359	4	AAB99071 AAB99073	Aab99073 Human G-p
9			359	5	ABG68610	Abg68610 Human G p
10	1506	82.1	359 359	7	ADP70780	Adp70780 Minicell
11	1506				ADN06136	Adno6136 Human Gq
12	1506		359			Abb09282 G protein
13		82.0	359		ABB09282	Adc09617 Human G-p
14	1503	82.0	359	7	ADC09617	Adcussi/ Human G-p
					SUMMARIES	
		8			J. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Result		Query				
No.	Score		Length	DB	ID	Description
NO.						
1	1806	98.5	355	2	T15288	hypothetical prote
2	1517		359		S30359	GTP-binding regula
3		82.2	359		RGHUGY	GTP-binding regula
4		81.8	359		S71963	GTP-binding protei
5		81.8	359		RGMSQ	GTP-binding regula
6		81.5	359	2	S45699	GTP-binding regula
7		81.4	353	2	B40891	GTP-binding protei
8	1491		359	2	S45700	G-alpha-11 protein
9		81.0	359		RGMS11	GTP-binding regula
	1485		353	2	S34347	GTP-binding regula
10 11	1482 1419.5	80.8	360		JN0115	GTP-binding regula
	1399	77.4				GTP-binding protei
12			355 355		A40891 A41534	GTP-binding protei
13	1399	76.3				GTP-binding regula
14	1380.5	75.3	354			
15	996	54.3	374	2	B41534	GTP-binding protei
SUMMARI	EC.					
SUMMARI	23	8				
Result		Query				
No.	Score	Match	Length	DB	ID	Description
1	1806	98.5	355	2	Q17386	Q17386 caenorhabdi
2	1547				Q8T3G5	Q8t3g5 caenorhabdi
3	1528	83.3	353	2	Q76FN3	Q76fn3 bombyx mori
4	1523	83.0	353	2	Q6QM13	Q6qm13 lytechinus
5	1517	82.7	359	1	GB11 MELGA	P45645 meleagris g
6	1517	82.7	359	2	Q71RI7	Q71ri7 gallus gall
7	1516	82.7	353	2	Q6QM11	Q6qmll strongyloce
8	1516	82.7	353	2	Q7PHK1	O7phk1 anopheles q
9	1514	82.6	353	2	Q6ITD0	Q6itd0 penaeus van
10	1514	82.5	353	1	GBQ RAT	P82471 rattus norv
					-	Q28294 canis famil
11	1506	82.1	353	1	GBQ_CANFA	P50148 homo sapien
12	1506	82.1	353	1	GBQ_HUMAN	Q6nt27 homo sapien
13	1506	82.1	359	2	Q6NT27	Q6nt2/ nomo sapien Q6p7m2 xenopus tro
14	1504	82.0	359	2	Q6P7M2	P29992 homo sapien
15	1503	82.0	359	1	GB11_HUMAN	_
16	1501	81.8	353	2	Q9U473	Q9u473 panulirus a

SEQ ID NO : 4

1500

1498

17

18

SUMMARIES

Result

Query

81.8

81.7

353 2 Q9U473 353 1 GBQ_MOUSE 353 1 GBQ_HOMAM

Q9u473 panulirus a P21279 mus musculu

P91950 homarus

No.	Score	Match 1	Length	DB	ID	Description
1	1761	95.6	355	7	ABR82638	Abr82638 C. elegan
2	1761	95.6	355	7	ABR82630	Abr82630 C. elegan
3	1761	95.6	355	8	ADN22329	Adn22329 Bacterial
4	1727	93.8	346	7	ABR82639	Abr82639 C. elegan
5	1480	80.3	353	4	ABB66449	Abb66449 Drosophil
6	1463	79.4	353	5	ABG68585	Abg68585 Mouse G p
7	1463	79.4	359	5	ABG68584	Abg68584 Mouse G p
8	1462	79.4	359	4	AAB99071	Aab99071 Human G-p
9	1462	79.4	359	4	AAB99073	Aab99073 Human G-p
10	1461	79.3	359	5	ABG68610	Abg68610 Human G p
11	1461	79.3	359	7	ADP70780	Adp70780 Minicell
12	1461	79.3	359	8	ADN06136	Adn06136 Human Gq
13	1458	79.2	359	5	ABB09282	Abb09282 G protein
14	1458	79.2	359	7	ADC09617	Adc09617 Human G-p
15	1456	79.0	353	4	AAB99072	Aab99072 Human G-p
16	1456	79.0	353	5	ABG68599	Abg68599 Human G p
17	1456	79.0	353	5	ABB09281	Abb09281 G protein
18	1456	79.0	353	7	ABR82631	Abr82631 C. elegan
19	1456	79.0	353	7	ADC09616	Adc09616 Human G-p

		*				
Result		Query				
No.	Score	Match	Length	DB	ID	Description
1	1761	95.6	355	2	T15288	hypothetical prote
2	1472	79.9	359	2	S30359	GTP-binding regula
3	1462	79.4	359	1	RGHUGY	GTP-binding regula
4	1456	79.0	359	2	S71963	GTP-binding protei
5	1455	79.0	359	1	RGMSQ	GTP-binding regula
6	1450	78.7	359	2	S45699	GTP-binding regula
7	1448	78.6	353	2	B40891	GTP-binding protei
8	1446	78.5	359	2	S45700	G-alpha-11 protein
9	1440	78.2	359	1	RGMS11	GTP-binding regula
10	1437	78.0	353	2	S34347	GTP-binding regula
11	1388.5	75.4	360	2	JN0115	GTP-binding regula
12	1354	73.5	355	2	A40891	GTP-binding protei
13	1354	73.5	355	2	A41534	GTP-binding protei
14	1335.5	72.5	354	2	S33309	GTP-binding regula
15	995	54.0	374	2	B41534	GTP-binding protei

		*				
Result		Query				
No.	Score	Match	Length	DB	ID	Description
1	1761	95.6	355	2	Q17386	Q17386 caenorhabdi
2	1502	81.5	303	2	Q8T3G5	Q8t3g5 caenorhabdi
3	1483	80.5	353	2	Q76FN3	Q76fn3 bombyx mori
4	1478	80.2	353	2	Q6QM13	Q6qm13 lytechinus
5	1472	79.9	359	1	GB11 MELGA	P45645 meleagris g
6	1472	79.9	359	2	Q71RI7	Q71ri7 gallus gall
7	1471	79.9	353	2	Q6QM11	Q6qm11 strongyloce
8	1471	79.9	353	2	Q7PHK1	Q7phk1 anopheles g
9	1469	79.8	353	2	Q6ITD0	Q6itd0 penaeus van
10	1462	79.4	353	1	GBQ_RAT	P82471 rattus norv
11	1461	79.3	353	1	GBQ_CANFA	Q28294 canis famil
12	1461	79.3	353	1	GBQ_HUMAN	P50148 homo sapien
13	1461	79.3	359	2	Q6NT27	Q6nt27 homo sapien
14	1459	79.2	359	2	Q6P7M2	Q6p7m2 xenopus tro
15	1458	79.2	359	1	GB11_HUMAN	P29992 homo sapien

Result No.	Score	Query Match	Length	DB	ID	Description
1	1817	98.7	355	7	ABR82638	Abr82638 C. elegan
2	1817	98.7	355	7	ABR82630	Abr82630 C. elegan
3	1817	98.7	355	8	ADN22329	Adn22329 Bacterial
4	1774.5	96.4	346	7	ABR82639	Abr82639 C. elegan
5	1526	82.9	353	4	ABB66449	Abb66449 Drosophil
6	1519	82.5	1276	2	AAY49127	Aay49127 phCaR/hmG
7	1519	82.5	1276	5	AA015093	Aao15093 Human phC
8	1519	82.5	1323	2	AAY49133	Aay49133 GABA-BR1a
9	1519	82.5	1323	5	AA015099	Aao15099 Human GAB
10	1519	82.5	1394	2	AAY49129	Aay49129 pmGluR2/C
11	1519	82.5	1394	5	AAO15095	Aao15095 Human pmG
12	1519	82.5	1397	2	AAY49134	Aay49134 pmGluR2/C
13	1519	82.5	1397	5	AAO15100	Aao15100 Human pmG
14	1519	82.5	1402	5	AAO15105	Aao15105 Human ph2
15	1519	82.5	1418	2	AAY49131	Aay49131 mGluR8/Ca
16	1519	82.5	1418	5	AAO15097	Aao15097 Human mGl
17	1519	82.5	1421	5	AA015103	Aao15103 Human phm
18	1519	82.5	1422	5	AAO15102	Aao15102 Human phm

SUMMARIES

		ъ				
Result		Query				
No.	Score	Match	Length	DB	ID	Description
						
1	1817	98.7	355	2	T15288	hypothetical prote
2	1513	82.2	359	2	S30359	GTP-binding regula
3	1503	81.6	359	1	RGHUGY	GTP-binding regula
4	1502	81.6	359	2	S45700	G-alpha-11 protein
5	1500	81.5	359	2	S71963	GTP-binding protei
6	1496	81.3	359	1	RGMSQ	GTP-binding regula
7	1491	81.0	359	2	S45699	GTP-binding regula
8	1489	80.9	353	2	B40891	GTP-binding protei
9	1481	80.4	359	1	RGMS11	GTP-binding regula
10	1478	80.3	353	2	S34347	GTP-binding regula
11	1423.5	77.3	360	2	JN0115	GTP-binding regula
12	1393	75.7	355	2	A40891	' GTP-binding protei
13	1393	75.7	355	2	A41534	GTP-binding protei
14	1376.5	74.8	354	2	S33309	GTP-binding regula
15	993	53.9	374	2	B41534	GTP-binding protei
16	967	52.5	374	2	A41096	GTP-binding regula

		*				
Result		Query				
No.	Score	Match	Length	DB	ID	Description
1	1817	98.7	355	2	Q17386	Q17386 caenorhabdi
2	1558	84.6	303	2	Q8T3G5	Q8t3g5 caenorhabdi
3	1529	83.1	353	2	Q76FN3	Q76fn3 bombyx mori
. 4	1519	82.5	353	2	Q6QM13	Q6qm13 lytechinus
5	1517	82.4	353	2	Q7PHK1	Q7phk1 anopheles g
6	1515	82.3	359	2	Q6P7M2	Q6p7m2 xenopus tro
7	1513	82.2	359	1	GB11_MELGA	P45645 meleagris g
8	1513	82.2	359	2	Q71RI7	Q71ri7 gallus gall
9	1512	82.1	353	2	Q6QM11	Q6qm11 strongyloce
10	1510	82.0	353	2	Q6ITD0	Q6itd0 penaeus van
11	1503	81.6	353	1	GBQ_RAT	P82471 rattus norv
12	1503	81.6	359	2	Q8AVH0	Q8avh0 xenopus lae
13	1502	81.6	353	1	GBQ_CANFA	Q28294 canis famil
14	1502	81.6	353	1	GBQ_HUMAN	P50148 homo sapien
15	1502	81.6	359	1	GB11_XENLA	P43444 xenopus lae

16	1502	81.6	359		-	Q6nt27 homo sapien
17	1499		359		GB11_HUMAN	P29992 homo sapien
18	1497	81.3	353	2	Q9U473	Q9u473 panulirus a
000 1	D 110	4 7				
SEQ 1	ID NO	: 41				
SUMMARI	ES	8				•
Result		Query				
No.	Score		Length	DB	ID	Description
			_			
1	1800	98.4	353	4	ABB66449	Abb66449 Drosophil
2	1555	85.0	1276	2	AAY49127	Aay49127 phCaR/hmG
3	1555	85.0	1276	5	AA015093	Aao15093 Human phC
4	1555	85.0	1323	2	AAY49133	Aay49133 GABA-BR1a
5	1555	85.0	1323	5		Aao15099 Human GAB
6	1555	85.0	1394	2	AAY49129	Aay49129 pmGluR2/C
7	1555	85.0	1394	5	AA015095	Aao15095 Human pmG
8	1555	85.0	1397	2	AAY49134	Aay49134 pmGluR2/C
9	1555	85.0	1397	5	AA015100	Aao15100 Human pmG
10	1555	85.0	1402	5		Aao15105 Human ph2
11	1555	85.0	1418		AAY49131	Aay49131 mGluR8/Ca
12	1555	85.0	1418		AA015097	Aao15097 Human mGl
13 14	1555 1555	85.0 85.0	1421 1422	5		Aao15103 Human phm Aao15102 Human phm
7.4	1333	65.0	1422	3	AA013102	Addisive numan pim
SUMMARI	ES					
		8				
Result		Query				
No.	Score	Match	Length	DB	ID	Description
1	1615.5	88.3	360	2	JN0115	GTP-binding regula
. 2	1549	84.7	359	2	S71963	GTP-binding protei
3	1539	84.1	359	1	RGMSQ	GTP-binding regula
4 5	1538	84.1	359	2	\$45700	G-alpha-11 protein
6	1533 1521	83.8 83.2	359 359	2	S30359 S45699	GTP-binding regula
7	1521	83.1	355	2	T15288	GTP-binding regula hypothetical prote
8	1510	82.6	353	2	B40891	GTP-binding protei
9	1509	82.5	359	1	RGMS11	GTP-binding regula
10	1507	82.4	359	ī	RGHUGY	GTP-binding regula
11	1489	81.4	353	2		GTP-binding regula
12	1417	77.5	355	2	A40891	GTP-binding protei
13	1401.5	76.6	354	2		GTP-binding regula
14	1393	76.2	355	2		GTP-binding protei
15	1033	56.5	374	2	B41534	GTP-binding protei
16	1017	55.6	374	2	A41096	GTP-binding regula

cription
hkl anopheles g fn3 bombyx mori 625 drosophila 6p8 mamestra br
td0 penaeus van 473 panulirus a
950 homarus ame fz0 calliphora 955 limulus pol
294 canis famil 148 homo sapien t27 homo sapien
7m2 xenopus tro 471 rattus norv 279 mus musculu

16 1539 84.1 359 2 Q8AVHO Q8avhO xenopus lae 17 1538 84.1 359 1 GBl1_XENLA P43444 xenopus lae